



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:												
Lined MSWLF		LCID		YW		Transfer		Compost	X	SLAS		COUNTY: MITCHELL PERMIT NO.: SWCD 61-01 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO	X	SDTF		

Date of Site Inspection: 8/10/2011

Date of Last Inspection: N/A

FACILITY NAME AND ADDRESS:

Penland School of Crafts
 PO Box 37
 Penland, NC 28765

GPS COORDINATES: N: 35.9937678 E: 82.118394

FACILITY CONTACT NAME AND PHONE NUMBER:

Ryan Cooper
 Telephone: (434) 284-3056 [mobile]
 Email address: ryancooper@penland.org
 Fax: (828) 765-7389

FACILITY CONTACT ADDRESS:

Penland School of Crafts
 PO Box 37
 Penland, NC 28765

PARTICIPANTS:

Ryan Cooper
 Deb Aja – Solid Waste Section

STATUS OF PERMIT:

Solid Waste Composting Pilot Project, first issued January 28, 2011. A one-year extension to operate was granted on March 17, 2011. The approval expires on March 17, 2012.

PURPOSE OF SITE VISIT:

Site visit to conduct an inspection of facility operations.

STATUS OF PAST NOTED VIOLATIONS:

N/A.

OBSERVED VIOLATIONS:

There were no violations observed.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

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Figure 1 - Facility Location

ADDITIONAL COMMENTS

1. Pilot Project overview – The project is to demonstrate the feasibility of producing compost from the Penland School of Crafts cafeteria and Coffee House waste [pre and post consumer food waste] for use in on-campus gardens. The Pilot Project was first approved for March 2009 through March 2010. An extension was granted on March 17, 2011 for one year. The project approval expires on March 17, 2012.
2. The demonstration area was moved to a new location from the area used in 2009-2010. The new/current area is located in an open field and is over 300 feet from the nearest structure. There are no non-owned residential dwellings in the vicinity of the composting operations.
3. The inspection was conducted to review the pilot project operations. A comprehensive inspection will be conducted to include an audit of all operational and testing records.
4. Two composting methodologies were approved to directly receive food scraps for composting – a bin system and a windrow system. Currently the bin system [a static aerated pile system] is utilized to receive food scraps and a windrow/pile is utilized for pathogen reduction & curing. One bin of wooden pallet construction is currently in use. Food scraps are placed in the bin on a base layer of carbon material [leaves, woodchips] which also line the sides to absorb excess moisture from the food scraps and to reduce odors and flies. Food scraps and carbon material are layered in the bin in approximately equal amounts. A screen is placed on top of the bin for additional vector control.

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Layered food waste in bin with screen.



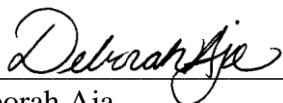
Final cure pile.

5. The composting process is as follows:
 - a. The layered food waste is layered in the bin and remains static in the bin for 2 weeks.
 - b. The material in the bin is then placed into a windrow which is turned at least 5 times in a 15 day period.
 - c. After 15 days the windrowed material is placed in a final cure pile for at least one year.
 - d. Prior to distribution/use the final product is screened.
6. There was no surface water present at the operational, compost curing, and storage areas. These areas are in a mowed field with drainage movement away from the facility.
7. There was no evidence of erosion or movement of silt or contaminants from the site.
8. The site is accepting wastes that it is permitted to receive.
9. A very faint odor was perceptible only within a few feet of the bin. Several feet away and downwind of the bin there was no odor detected. There was no odor detected around the curing areas.
10. There were no flies present and no other vectors observed.
11. Excess moisture appeared to be effectively controlled as there was no moisture/leachate present around the bin or cure piles.
12. A few compostable utensils and cups were visible on the outside of the final cure pile. It was stated that these items are screened out of the final product before use and re-incorporated into the composting process (bin).
13. While the records for testing were not reviewed, temperature logs were available during the inspection. Readings appeared to meet the temperature requirements.
14. The access road was well maintained and the facility appeared to be well operated.

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Please contact me if you have any questions or concerns regarding this inspection report.



Deborah Aja
Environmental Senior Specialist
Regional Representative

Phone: (828) 296-4702

Sent on: August 19, 2011	<input checked="" type="checkbox"/>	Email		Hand delivery		US Mail	Certified No. <u> </u>
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Copies: Michael Scott, Solid Waste Section Chief
Jason Watkins, Western District Supervisor
Shawn McKee, Compliance Officer